

Pushing the Envelope			
2006 Mathematics			
Curriculum Framework			
Arkansas Mathematics			
Grades 9-12 (Algebra I)			
Activity/Lesson	State	Standards	
Types of Engines (pgs. 11-23)	AR	MA.9-12.SEI.2.AI.3	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve linear formulas and literal equations for a specified variable
Chemistry (pgs. 25-41)	AR	MA.9-12.SEI.2.AI.3	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve linear formulas and literal equations for a specified variable
Physics and Math (pgs. 43-63)	AR	MA.9-12.SEI.2.AI.3	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve linear formulas and literal equations for a specified variable
Physics and Math (pgs. 43-63)	AR	MA.9-12.SEI.2.AI.6	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve problems involving direct variation and indirect (inverse) variation to model rates of change
Physics and Math (pgs. 43-63)	AR	MA.9-12.LF.3.AI.4	Identify independent variables and dependent variables in various representational modes: words, symbols, and/or graphs
Physics and Math (pgs. 43-63)	AR	MA.9-12.LF.3.AI.5	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and interpret the rate of change/slope and intercepts within the context of everyday life
Rocket Activity (pgs. 69-75)	AR	MA.9-12.SEI.2.AI.3	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve linear formulas and literal equations for a specified variable
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